

ASB Project File Inventory Form

US EPA, Region 4, SEDS, ASB
980 College Station Rd.
Athens, GA 30605

Project Number	18-0252
Project Name	Jordan Lake PFAS

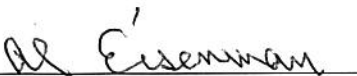
Project Packet Table of Contents:

Document	Number of Pages	Work Order Number(s) in Project File	Notes
General Project Information	10	E180803	
PFAS-Full List	341	E180803	

Form Completed by:

Al Eisenman

(Print)



Signature

4/10/2018


Date

E180803

Chain of Custody (COC) Record - Water Samples

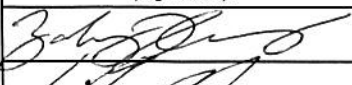
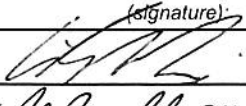
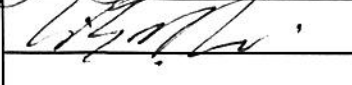
Page 1 of 1

North Carolina Division of Water Resources - Water Sciences Section Chemistry Laboratories

Samples Submitted to:	() Central Lab - Raleigh () Asheville Regional Lab - Swannanoa	EPA-SES ATHENS, GA
Purpose / Investigation:	JORDAN LAKE EC STUDY 18-0252	
Sample Collector / Forms Completed by:	ZACHARY THOMAS	
	Print Name	Signature

Field Storage conditions & location
(when applicable):

Lab Use Only Lab Sample No.	Location Code or Tag Number	Location Description	Date Collected	Time Collected	Number of Sample Containers
-01	B3025000	THIRD FORK CRK @ NCS4 NR DURHAM 583/584	2-21-18	0905	2 ✓
-02	B3660000	NORTHEAST CRK AT SR1184 NR NELSON 585/586	2-21-18	0945	2 ✓
-03	B3040000	NEW HOPE CRK @ SR1107 NR BLAIDS 587/588	2-21-18	1025	2 ✓
-04	B3040000 DUP	" " DUPLICATE 589/590	2-21-18	1028	2 ✓
-05	B3900000	MORGAN CRK @ SR 1726 NR FARRINGTON 591/592	2-21-18	1105	2 ✓
-06	B3750000	PHILS CRK NR CAVANDER 593/594	2-21-18	1150	2 ✓
-07	B2100000	HAWRIN @ SR 1713 NR BYNUM 595/596	2-21-18	1235	2 ✓
-08	B4050000	HAUTY BELOW JORDAN DAM NR MONCURE 597/598	2-21-18	1340	2 ✓
-09	TB TRUCK	TRIP BLANK - TRUCK CREW 554	2/22/18	1100	1 ✓

Relinquished by: (signature):	Date Relinquished	Time Relinquished	Received by: (signature):	Date Received	Time Received
	2-21-18	1436		2/21/18	1436
	2/22/18	1100	Kim Beall EPA SESD ASB	2/23/18	1047

Method of Shipment (circle one): State Courier Hand-Delivered ☒ Federal Express UPS Other:Shipment Container Sealed By:
(signature)Security Tape Broken By:
(signature)

Container / Security Tape Comments:

Intra-Laboratory Chain of Custody - Lab Use Only

Lab Sample Numbers Starting with:	Lab Sample Numbers Ending with:	Number of Bottles	Analyses Requested	Relinquished By:	Received By:	Date	Time

E180803

E180803

Chain of Custody (COC) Record - Water Samples

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of

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North Carolina Division of Water Resources - Water Sciences Section Chemistry Laboratories

Samples Submitted to:	() Central Lab - Raleigh () Asheville Regional Lab - Swannanoa	EPA - SEDD ATHENS
Purpose / Investigation:	JORDAN LAKE EC STUDY 18-0252	
Sample Collector / Forms Completed by:	JOSEPH SMITH	<i>Joseph D. Smith</i>
	Print Name	Signature

Field Storage conditions & location
(when applicable):

Lab Use Only	Location Code	Location Description	Date Collected	Time Collected	Number of Sample Containers
Lab Sample No.	or Tag Number				
-10	CPF081AIC	JORDAN LAKE @ MOUTH OF NEW HOTE CRK 575/576	2/21/18	1400	2 ✓
-11	CPF086C	JORDAN LAKE @ MOUTH OF MORGAN CRK 562/566		1435	2 ✓
-12	CPF086F	JORDAN LAKE NR FARMINGTON NC 565/571		1130	2 ✓
-13	CPF086F MS/MSD	" MS/MSD 555/556/560/561		1130	4 ✓
-14	CPF087D	JORDAN LAKE @ MOUTH OF WHITE OAK CRK 557/570		1205	2 ✓
-15	CPF089	JORDAN LAKE @ NARROWS NR BONSAL 559/564		1250	2 ✓
-16	CPF085C	JORDAN LAKE ABOVE STINKING CRK 555/556		1310	2 ✓
-17	CPF085C-DUP	" DUPLICATE 568/573		1310	2 ✓
-18	TRB-B0AT	TRIP BLAIR - BOAT CREW 553	2/22/18	1100	2 ✓

Relinquished by: (signature):	Date Relinquished	Time Relinquished	Received by: (signature):	Date Received	Time Received
<i>Joseph D. Smith</i>	2/21/18	1600	<i>CRK</i>	2/21/18	1600
<i>CRK</i>	2/22/18	1100	<i>Rinbeall EPA SEDD ASB</i>	2/23/18	1047

Method of Shipment (circle one): State Courier Hand-Delivered Federal-Express UPS Other:Shipment Container Sealed By:
(signature)*CRK*Security Tape Broken By:
(signature)

Container / Security Tape Comments:

Intra-Laboratory Chain of Custody - Lab Use Only



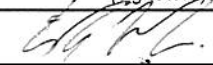

Lab Sample Numbers	Number of	Analyses	Relinquished	Received		
Starting with:	Ending with:	Bottles	Requested	By:	By:	Date Time

E180803

Chain of Custody (COC) Record - Water Samples

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North Carolina Division of Water Resources - Water Sciences Section Chemistry Laboratories

Samples Submitted to: (-) Central Lab - Raleigh (-) Asheville Regional Lab - Swannanoa EPA SLSO						
Purpose / Investigation: JORDAN LAKE EC STUDY 18-0252						
Sample Collector / Forms Completed by: JOSEPH SMITH 						
Field Storage conditions & location (when applicable):						
Lab Use Only	Location Code or Tag Number	Location Description	Date Collected	Time Collected	Number of Sample Containers	
Lab Sample No.						
-19	EB	EQUIPMENT BLANK ON HDPE BOTTLE 579	2/22/18	1000	2 ✓	
-20	577/578 DB	D1 WATER BLANK - CAL LAB 4401	2/22/18	1005	2 ✓	
	UPB	ULTRA-PURE LAB WATER BLANK 579	2/22/18	1010	2	
Relinquished by: (signature): 		Date Relinquished	Time Relinquished	Received by: (signature): 		
		2/21/18	1600	2/21/18		1600
		2/22/18	1100	R. Beall EPA SLSO ASB		1047
Method of Shipment (circle one): State Courier Hand-Delivered Federal Express UPS Other:						
Shipment Container Sealed By: (signature) 			Security Tape Broken By: (signature)			
Container / Security Tape Comments:						
Intra-Laboratory Chain of Custody - Lab Use Only						
Lab Sample Numbers		Number of	Analyses	Relinquished	Received	
Starting with:	Ending with:	Bottles	Requested	By:	By:	Date Time

Beall, Mike

From: Sivertsen, Scott
Sent: Friday, February 23, 2018 10:59 AM
To: Beall, Mike
Cc: Wellborn, Floyd
Subject: Jordan Lake Samples

E180803

Mike,

X When logging in Jordan Lake samples for PFAS, the analysis method in to use Element is PFAS-Full List.

Thanks,

Scott

Scott Sivertsen
Chemist, Region 4 US EPA
980 College Station Road
Athens, GA 30605

706/355-8869 (office)

706/355-8857 (FAX)

WORK ORDER

Printed: 2/23/2018 12:38:58PM

E180803

US-EPA, Region 4, SEDS

Client: Drinking Water (201B53, 000B53)
 Project: Jordan Lake PFAS - FWELLBOR

Project Number: 18-0252
 Acct # / Location: 000B53 NC

Project Leader: Wellborn, Floyd

Date Due: 03/30/18 (35 day TAT)

Received By: Beall, Mike

Date Received: 02/23/18 10:47

Logged In By: Beall, Mike

Date Logged In: 02/23/18 11:28

Samples Received at: 1.5°C

Placed in Cooler after Ice Removed:

D.A.R.T. Project ID: 18-0033

Custody Seals:

Sample Containers Intact: Yes

Program/Activity:

Custody Seals Intact: Yes

Samples & COC Match: Yes

Site/Waterbody: 0

COC Present: Yes

COC/Labels Agree: Yes

Ice in Cooler: Yes

All Analyses on COC:

Analysis	Due	TAT	Expires	Comments
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E180803-01 THIRD FORK CRK @ NC54 NR DURHAM / B3025000 [Water / Water]

Sampled 02/21/18 09:05

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 09:05

E180803-02 NORTHEAST CRK @ SR1100 NR NELSON / B3660000 [Water / Water]

Sampled 02/21/18 09:45

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 09:45

E180803-03 NEW HOPE CRK @ SR 1107 NR BLANDS / B3040000 [Water / Water]

Sampled 02/21/18 10:25

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 10:25

E180803-04 NEW HOPE CRK @ SR 1107 NR BLANDS DUPLICATE / B3040000 DUP [

Water / Water] Sampled 02/21/18 10:25

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 10:25

E180803-05 MORGAN CRK @ SR 1726 NR FARRINGTON / B3900000 [Water / Water]

Sampled 02/21/18 11:05

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 11:05

E180803-06 PNILS CRK NR CAVANDER / B3750000 [Water / Water] Sampled 02/21/18 11:50

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 11:50

E180803-07 HAW RIV @ SR 1713 NR BYNUM / B2100000 [Water / Water] Sampled

02/21/18 12:35

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 12:35

E180803-08 HAW RIV BELOW JORDAN DAM NR MONCURE / B4050000 [Water / Water]

Sampled 02/21/18 13:40

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/21/18 13:40

WORK ORDER

Printed: 2/23/2018 12:38:58PM

E180803

US-EPA, Region 4, SESD

Client: Drinking Water (201B53, 000B53)
Project: Jordan Lake PFAS - FWELLBOR

Project Number: 18-0252
Acct # / Location: 000B53 NC

Analysis	Due	TAT	Expires	Comments
E180803-09 TRIP BLANK - TRUCK CREW / TB TRUCK [Water / Trip Blank - Water]				
Sampled 02/22/18 11:00				
<i>A = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/22/18 11:00	
E180803-10 JORDAN LAKE @ MOUTH NEW HOPE CRK / CPF081AIC [Water / Water]				
Sampled 02/21/18 10:00				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 10:00	
E180803-11 JORDAN LAKE @ MOUTH OF MORGAN CRK / CPF086C [Water / Water]				
Sampled 02/21/18 10:35				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 10:35	
E180803-12 JORDAN LAKE NR FARRINGTON NC / CPF086F [Water / Water] Sampled				
02/21/18 11:30				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 11:30	
E180803-13 JORDAN LAKE NR FARRINGTON NC MS/MSD / CPF086F MS/MSD [Water /				
Water] Sampled 02/21/18 11:30				
<i>A = 15 mL Plastic B = 15 mL Plastic C = 15 mL Plastic D = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 11:30	
E180803-14 JORDAN LAKE @ MOUTH OF WHITE OAK CRK / CPF087D [Water / Water]				
Sampled 02/21/18 12:05				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 12:05	
E180803-15 JORDAN LAKE @ NARROWS NR BONSAI / CPF089 [Water / Water]				
Sampled 02/21/18 12:50				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 12:50	
E180803-16 JORDAN LAKE ABOVE STINKING CRK / CPF055C [Water / Water]				
Sampled 02/21/18 13:10				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 13:10	
E180803-17 JORDAN LAKE ABOVE STINKING CRK DUPLICATE / CPF055C - DUP [
Water / Water] Sampled 02/21/18 13:10				
<i>A = 15 mL Plastic B = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/21/18 13:10	
E180803-18 TRIP BLANK - BOAT CREW / TB - BOAT [Water / Water] Sampled 02/22/18				
11:00				
<i>A = 15 mL Plastic</i>				
PFAS-Full List	03/30/18 00:00	35	03/22/18 11:00	

WORK ORDER

Printed: 2/23/2018 12:38:58PM

E180803

US-EPA, Region 4, SEDS

Client: Drinking Water (201B53, 000B53)

Project: Jordan Lake PFAS - FWELLBOR

Project Number: 18-0252

Acct # / Location: 000B53 NC

Analysis	Due	TAT	Expires	Comments
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**E180803-19 EQUIPMENT BLANK ON HDPE BOTTLE / EB | Water / Equipment Rinse
Blank | Sampled 02/22/18 10:00**

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/22/18 10:00

**E180803-20 DI WATER BLANK - CAL LAB 4401 / DIB | Water / Organic Free Water Blank |
Sampled 02/22/18 10:05**

A = 15 mL Plastic

B = 15 mL Plastic

PFAS-Full List

03/30/18 00:00

35

03/22/18 10:05

SAMPLE RECEIPT CHECKLIST

Project Number/Name: 18-0252 JORDAN LAKE PFAS			
Work Order (s): E180803			
Received by: JH Beall		Date/Time: 2/23/18 1047	
Logged/Assisted by (if other):			
Samples shipped	<input checked="" type="radio"/> UPS <input checked="" type="radio"/> Fed Ex <input type="radio"/> Walk in <input type="radio"/> Other		
Cooler Temperature indicator bottle	Therm # 289 Cooler Temp: 1.5°C	Absent not required *(list reason)	
Custody Seals	<input checked="" type="radio"/> Present <input type="radio"/> Absent		
Custody Seals Intact?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
CoC present	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Ice in Cooler	<input checked="" type="radio"/> Present <input type="radio"/> Absent Placed in cooler after ice removed	not required *(list reason)	
Were sample containers intact?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Samples & C of C match?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
CoC/Labels agree	<input checked="" type="radio"/> Yes <input type="radio"/> No		
All analysis specified on chain of custody?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Email For ANALYSES	

18-0252 JORDAN LAKE PFAS E180803

SAMPLE RECEIPT CHECKLIST

Was XML file received?	yes <u>no</u>	
Any issues with XML file?	yes no <i>NA</i>	
Did Project leader need to be contacted?	<u>yes</u> no	<i>NOTIFY THAT samples here</i>
Was project converted from R4LIMS to Element?	yes no <i>NA</i>	
Were all project analyses correct/present in Element cross?	yes no <i>NA</i>	

Additional Notes:

QAM Signature (or designee): *Al Eisenman* Date: *4/5/2018*

Jordan Lake FHAS
18-0252

Completed
4-9-18
SH

Wrk due	Wrk	Sample	Sample name	Matrix	Class	Analysis	Batch	Status	Results First Sent
3/30/2018	E180803	1	THIRD FORK CRK @ NC54 NR DURHAM	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	2	NORTHEAST CRK @ SR1100 NR NELSON	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	3	NEW HOPE CRK @ SR 1107 NR BLANDS	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	4	NEW HOPE CRK @ SR 1107 NR BLANDS DUPLICATE	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	5	MORGAN CRK @ SR 1726 NR FARRINGTON	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	6	PNILS CRK NR CAVANDER	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	7	HAW RIV @ SR 1713 NR BYNUM	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	8	HAW RIV BELOW JORDAN DAM NR MONCURE	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	9	TRIP BLANK - TRUCK CREW	Water / Trip Blank - Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	10	JORDAN LAKE @ MOUTH NEW HOPE CRK	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	11	JORDAN LAKE @ MOUTH OF MORGAN CRK	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	12	JORDAN LAKE NR FARRINGTON NC	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	13	JORDAN LAKE NR FARRINGTON NC MS/MSD	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	14	JORDAN LAKE @ MOUTH OF WHITE OAK CRK	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	15	JORDAN LAKE @ NARROWS NR BONSAL	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	16	JORDAN LAKE ABOVE STINKING CRK	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	17	JORDAN LAKE ABOVE STINKING CRK DUPLICATE	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	18	TRIP BLANK - BOAT CREW	Water / Water	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	19	EQUIPMENT BLANK ON HDPE BOTTLE	Water / Equipment Rinse Blank	SVOA	PFAS-Full List	1803028	Reported	3/28/2018
3/30/2018	E180803	20	DI WATER BLANK - CAL LAB 4401	Water / Organic Free Water Blank	SVOA	PFAS-Full List	1803028	Reported	3/28/2018